MODUTECH®

HC127 C

Modular Belt Series

HC127 C
Sprockets
Engineering Information



www.modutech.com.tr

FDA





HC127 C

Modular Belt Serie

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

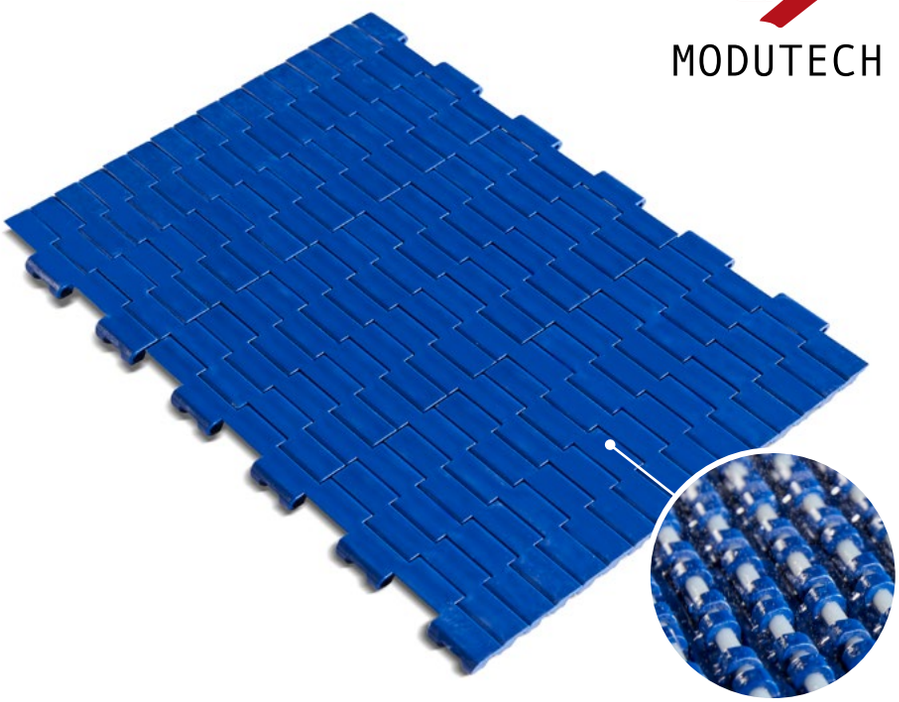
Bulk Feeding, Elevator, Control - Sorting Table

- **Packaging Applications**

Labelling, Palletizing - Depallettizing

HC127 C

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	101,6 mm / **4 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Rod:	Ø4,5 mm / **0.177 inch**
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	8 mm / **0.315 inch**



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 80%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.

Available Moulded Module Sizes

- 203,2 mm / **8 inch** module
- 101,6 mm / **4 inch** module

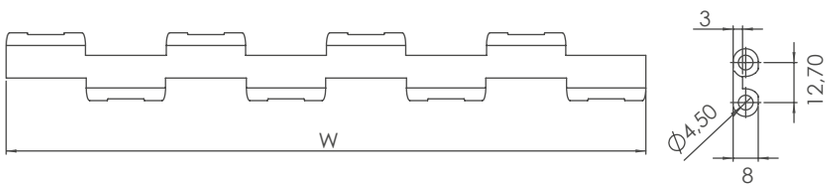
HC127 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		°C / **°F** (min.)	°C/**°F** (max.)	Kg/m² / **lb/ft²**
	N/m	**lb/ft**	N/m	**lb/ft**			
Polypropylene	2750	**188**	-	-	+5 / **+41**	+90 / **+194**	3,8 / **0.78**
Polyethylene	-	**-**	-	-	-	-	-
Acetal	5170	**354**	-	-	-43 / **-45.4**	+110 / **+230**	5,7 / **1.17**

- Belt strength and temperature values are maximum on the table.

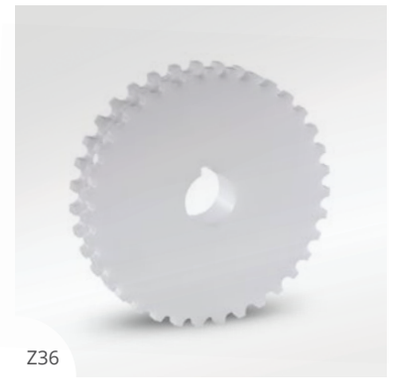
HC127 C / Standard Belt Widths

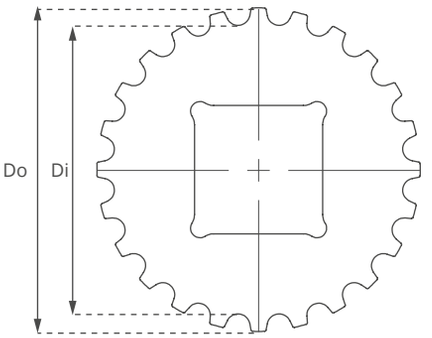
BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP		POM		
	mm	**inch**	mm	**inch**	
HC127 C	101,60	**4.0**	101,60	**4.0**	± 1 mm
HC127 C	203,20	**8.0**	203,20	**8.0**	± 1 mm
HC127 C	304,80	**12.0**	304,80	**12.0**	± 1 mm
HC127 C	406,40	**16.0**	406,40	**16.0**	± 1 mm
HC127 C	508,00	**20.0**	508,00	**20.0**	± 2 mm
HC127 C	609,60	**24.0**	609,60	**24.0**	± 2 mm
HC127 C	711,20	**28.0**	711,20	**28.0**	± 2 mm
HC127 C	812,80	**32.0**	812,80	**32.0**	± 2 mm
HC127 C	914,40	**36.0**	914,40	**36.0**	± 2 mm

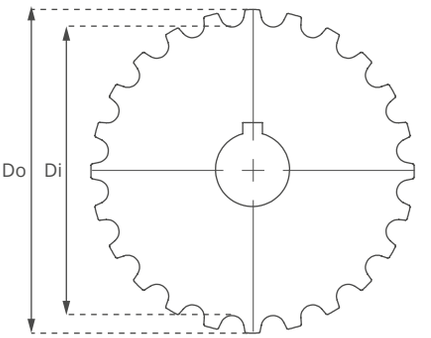


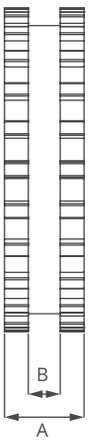
- Standard belt increments 101,6 mm.
- Non-standard belt increments 25,4 mm.
- Please contact with customer service for precise belt measurements.

HC127 C Serie *Engineering Information*







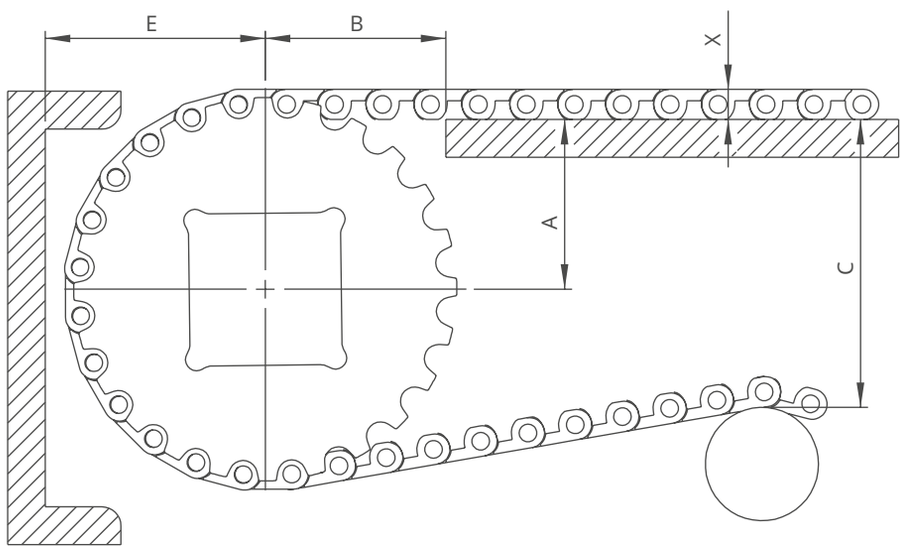


HC127 C Serie / Machined Sprockets Dimensions

NO.TEETH	Di mm/**inch**	Do mm/**inch**	B mm/**inch**	A mm/**inch**	Square Bore (Q) mm/**inch**	Round Bore (R) mm/**inch**	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z19	69,4 / **2.73**	79,3 / **3.12**	10 / **0.36**	25 / **1.0**	20 / **0.78**	25 / **1**	HC127SQZ19	HC127SRZ19
Z24	89,8 / **3.54**	100,0 / **3.94**	10 / **0.36**	25 / **1.0**	25 / **1**	25-30 / **1-1.25**	HC127SQZ24	HC127SRZ24
Z36	139,0 / **5.47**	149,4 / **5.88**	10 / **0.36**	25 / **1.0**	40 / **1.57**	25-30 / **1-1.25**	HC127SQZ36	HC127SRZ36

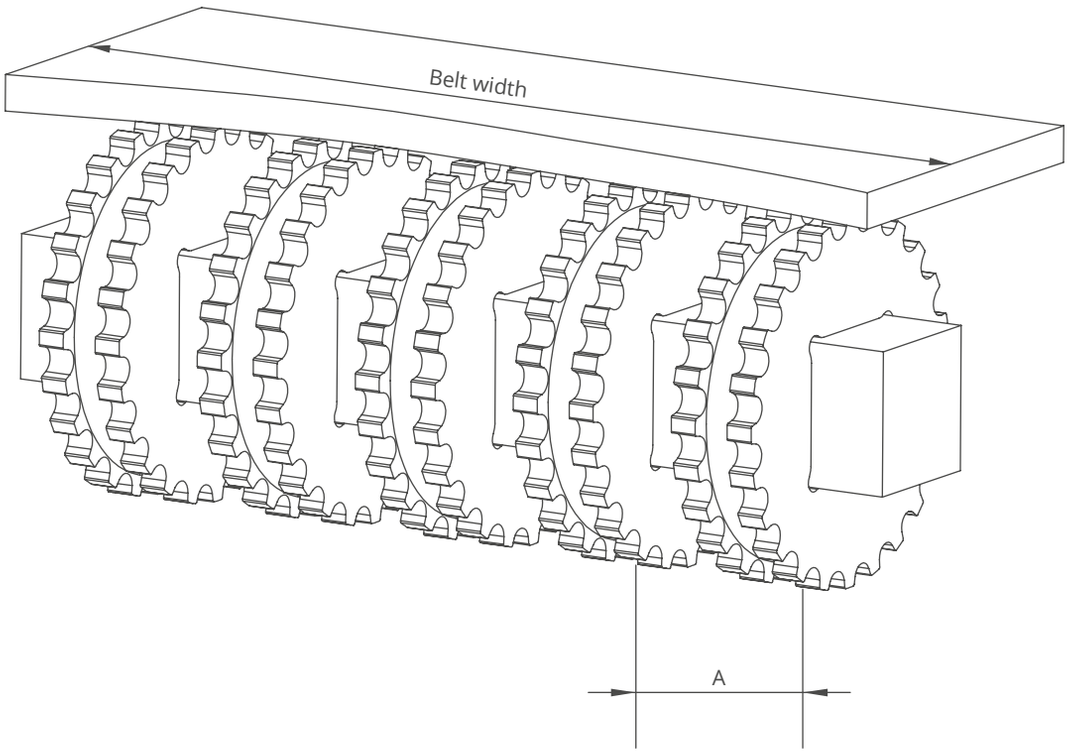
*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



HC127 C Serie / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
Inch	mm		**Inch**	mm	**Inch**	mm	**Inch**	mm	**Inch**	mm	**Inch**	mm
HC127 C												
3.09	78,4	19	**1.37**	34,7	**1.56**	39,7	**1.94**	49,4	**1.84**	46,7	**0.31**	8,0
3.86	98,0	24	**1.77**	44,9	**1.97**	50,0	**2.75**	69,8	**2.24**	56,9	**0.31**	8,0
5.83	148,0	36	**2.74**	69,5	**2.94**	74,7	**4.69**	119,0	**3.21**	81,5	**0.31**	8,0



HC127 C Serie / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
101,6	**4.0**	2	2	50/**2**	100/**4**
203,2	**8.0**	3	2	50/**2**	100/**4**
304,8	**12.0**	4	3	50/**2**	100/**4**
406,4	**16.0**	5	3	50/**2**	100/**4**
508,0	**20.0**	6	4	50/**2**	100/**4**
609,6	**24.0**	7	5	50/**2**	100/**4**
711,2	**28.0**	8	6	50/**2**	100/**4**
812,8	**32.0**	9	7	50/**2**	100/**4**
914,4	**36.0**	10	8	50/**2**	100/**4**
1016,0	**40.0**	11	9	50/**2**	100/**4**
1117,6	**44.0**	12	9	50/**2**	100/**4**
1219,2	**48.0**	13	10	50/**2**	100/**4**
1320,8	**52.0**	14	11	50/**2**	100/**4**
1422,4	**56.0**	14	11	50/**2**	100/**4**
1524,0	**60.0**	15	12	50/**2**	100/**4**
1625,6	**64.0**	16	12	50/**2**	100/**4**